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DUGI, Zvonimir, inz.

Primary articles, and basic theory of corrosion. Brodogradnja 7
no.2:69-71 '56.

DUGIDZHIYEV, S. L.

Viticulture

Method for increasing the grape harvest; Sed. 1 og. no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952, Uncl.

DUGIELLO, Henryk

Pseudarthrosis of the median malleolus. Chir. narząd. ruchu ortop.
pol. 27 no.4:491-500 '62.

1. Z Oddziału Ortopedyczno-Urazowego Szpitala Wojewódzkiego w Opolu
Ordynator: dr W. Aret.

(PSEUDARTHROSIS) (FIBULA)

DUGIELLO, Henryk

Surgical therapy of dislocations of the acromioclavicular joint
with a wire loop. Chir. narzad. ruchu ortop. pol. 29 no.1:
17-22 '64

1. Z Oddziału Chirurgii Ortopedycznej Szpitala Woj. w Opolu;
ordynator oddziału: dr. W. Arct.

*

DUGIN, A.I., VAVILOV, N.P.

"Manual for Laboratory Work for the Course 'Electronic and Ionic Devices' "
(Pukovodstvo k laboratornyy rabota po kursu "Elektronnyye i ionnyye probory").
Izd Voenno-vozdushnoy akademii in Zhukovskogo (Publishing House of the Military
Air Academy in Zhukovskiy, 80 pp., 1947

AVRUKH, V.Yu., inzh.; DUDIN, A.I., inzh.

Power load limits of Russian turbogenerators with hydrogen surface/
cooling. Elek. sta. 35 no.9:56-59 8 '64.

(MIRA 18:1)

107-57-1-51/60

AUTHOR: Dugin, B. and Filippov, Ye.

TITLE: International Show of Radio Equipment (Mezhdunarodnaya vystavka radioapparaty)

PERIODICAL: Radio, 1957, Nr 1, pp 55-57 (USSR)

ABSTRACT: The 3rd International Show of Radio Equipment took place in Lyublyana (Yugoslavia) in August 1956. The following countries displayed their exhibits: USSR, Yugoslavia, East Germany, West Germany, England, France, Austria, Holland, and Italy. The Soviet Union displayed the following equipment: "Rossiya," "Lyuks," and "Kontsert" radio-phonograph combinations; "Latviya," "Melodiya," "Baykal," "Rodina," "Turist," and "Nov'" radio receivers; "Yantar'," "Mir," "Znamya," "Soyuz," "Prizyv," and "Rekord" TV sets; "EG-2" electric phonograph; TGH-3 thermo-electric generator for supplying battery radio receivers. A number of defects and constructional drawbacks of the Soviet equipment are listed in the article. A few items of equipment displayed by East Germany, West Germany, Austria, England, and Yugoslavia are described. There are 6 figures in the article.

AVAILABLE: Library of Congress

Card 1/1

MEDIOKRITSKIY, N. N., DUGIN, F. S.

Forest Nurseries

Use of beet lifter ZTS for digging seedlings in the nursery, Les i step'
No. 3, 1952

Monthly List of Russian Accessions, Library of Congress, July 1952.
Unclassified.

Direct, G. 2

STURMAN, A.V., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); BULGAKOV, Yu.M., veter. fel'dsher (Strashenskiy rayon, Moldavskaya SSR); KAL'NITSKIY, P.I., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); OCHAKOVSKIY, Z.M., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); GOTSENOGA, A.D. (Strashenskiy rayon, Moldavskaya SSR); ABRAM-
IAN, G.I., veter. vrach; MEKHTIYEV, M.G., veter. fel'dsher (s. Shi-
rozlu, Vedinskogo rayona Armyskoy SSR); KIRAKOSYAN, A.A., veter.
vrach; GEORGIYEV, Yu.P., veter. vrach; LOMAKIN, A.M., nauchnyy so-
trudnik; SHEPELEV, L.A., veter. vrach; TARASOV, I.I., assistant;
ROMASHKIN, V.M., veter. tekhnik; ANDRIYAN, Ye.A.; BARTENEV, V.S.;
KOROL', Ye.I., veter. tekhnik; YEROSHENKO, A.K., aspirant; BANZEN,
Ya.P.; SARAYKIN, I.M., prof.; ZHEVAGIN, A.N., veter. vrach; BUT'-
YANOV, D.D., veter. vrach (Klimovichskiy rayon, Mogilevskoy oblas-
ti BSSR); SHALYGIN, B.V., veter. vrach (Klimovichskiy rayon, Mogi-
levskoy oblasti, BSSR); RYABOKON, G.T., veter. fel'dsher; NOVSUM-
ZADE, K.K., prof.; DUGIN, G.L., aspirant; TITOV, G.I., nauchnyy sotrudnik;
MEDVEDEV, I.G., veter. vrach; ALIKAYEV, V.A.; ALLENOV, O.A., veter. vrach.

Prophylaxis and treatment of noninfectious diseases in calves and
piglets. Veterinariia 40 no.2:40-47 F '63. (MIRA 17:2)

1. Ul'yanovskaya oblastnaya veterinarno-bakteriologicheskaya labo-
ratoriya (for Sturman). 2. Kolkhoz imeni Kirova. Volokonovskogo
(Continued on next card)

DUGIN G.L., aspirant

Clinical symptoms of white muscle disease in calves. Veterinariia
41 no.2:61-63 F '65. (MIRA 18:3)

1. Leningradskiy veterinarnyy institut.

18.8310

S/081/61/000/023/032/061
B138/B101

AUTHOR: Dugin, N. A.

TITLE: Corrosion and electrochemical behavior of steel in 1 and 7 N solutions of pure and ~~4M~~ (ChM)-inhibited sulfuric acid at different temperatures

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1961, 291, abstract 23I277 (Izv. Voronezhsk. gos. ped. in-ta, v. 23, 1960, 151-159)

TEXT: In the temperature range 0-80°C it has been found that an addition of ChM will retard the corrosion of steel 08 in 1 N solutions of H₂SO₄ 12 to 25 times; in 7 N solutions it is 25 to 125 times. It has been found that the effective activation energy of corrosion processes in H₂SO₄ solutions with addition of ChM is less than in solutions without this inhibitor. The irreversible electrode potentials of steel 08 in H₂SO₄ solutions with the additive are more positive than without, and they are

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Card 1/2

Corrosion and electrochemical...

S/081/61/000/023/032/061
B138/B101

deteriorated with rising temperature. The mechanism of the protective effect of the corrosion inhibitor ChM is discussed. [Abstracter's note: Complete translation.]

Card 2/2

10.8310

S/081/61/000/023/033/061
B138/B101

AUTHOR: Dugin, N. A.

TITLE: Possibility of using the additive 4M (ChM) to inhibit the corrosion of steel in hydrochloric acid solutions at different temperatures

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1961, 291, abstract 231278 (Izv. Voronezhsk. gos. ped. in-ta, v. 29, 1960, 161-166)

TEXT: An investigation of the effect of temperature on the corrosion and electrochemical behavior of carbon steel 08 in solutions of HCl containing an addition of ChM has shown that the addition of 0.025 % by weight to a 1 N solution of HCl will reduce the rate of corrosion of the steel at 0-80°C. This inhibiting effect increases as the temperature of the etching solutions rises. An addition of 0.1 % ChM to a 7 N solution of HCl will only provide effective protection at 0-20°C. It is indicated that in HCl the additive is an inhibitor of mixed nature, but it mainly retards the anodic process. [Abstracter's note: Complete translation.]

VC

Card 1/1

25655
S/080/60/033/012/009/024
D209/D305

188310

AUTHORS: Khitrov, V.A., and Dugin, N.A.

TITLE: The mechanism of the corrosion inhibiting action of sodium arsenate in acid media

PERIODICAL: Zhurnal prikladnoy khimii, v. 33, no. 12, 1960,
2708 - 2712

TEXT: In the present work, the authors submit their findings on the mechanism of the inhibiting action, utilizing information obtained from their previous experiments and the results of additional investigations. It had been found earlier that Na_3AsO_4 effectively inhibits corrosion of low carbon steel in hydrochloric and particularly in sulphuric acids and the effect is stronger as temperature increases. It is interesting to note that the introduction of Na_3AsO_4 into these acids brings about the reduction of effective activation energy and temperature coefficient of the corro-

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25655
S/080/60/033/012/009/024
D209/D305

The mechanism of the ...

sion process. The relation of the log of rate of corrosion and the reciprocal of absolute temperature shows that Na_3AsO_4 in ~~IN~~ H_2SO_4 or HCl is also effective at higher temperatures. The curves of cathodic and anodic polarization of steel electrode plotted for H_2SO_4 and HCl solutions containing 0.5 % Na_3AsO_4 at temperatures of 0, 20, 40, 60 and 80°C show that the introduction of arsenate retards both these processes and particularly anodic polarization which is shown by the improvement of stationary potential. Temperature increase lowers anodic and cathodic polarization of electrodes. However, in a H_2SO_4 solution and IN HCl the temperature effect is less pronounced; only at 80°C is the electrode polarized to a considerable extent. For a 7N HCl electrode, polarization is strongly reduced at 60 and 80°C. The experimental results, especially those of polarization measurements show that the retarding action at Na_3AsO_4 is difficult to explain in terms of pure arsenic deposition on the cathode and hydrogen over-voltage increase. To explain the mecha-

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D29 D305

The mechanism of the ...

nism of the inhibiting action of Na_3AsO_4 the author conducted x-ray examinations and utilized electron microscopy using a steel specimen previously kept in H_2SO_4 and HCl solutions containing 1 % Na_3AsO_4 . X-ray photographs taken according to the method of B.A.

Mishin (Ref. 14: ZL. 5, 642, 1958) which permits exposition of films up to 0.1 micron thick did not show any additional lines as compared with lines characteristic for steel. Electron photography, conducted in the laboratory im. D.V. Ignatov, Institut metallurgii AN SSSR (Institute of Metallurgy, AS USSR) involved eight specimens, different temperatures and acid composition. On seven specimens, the presence of arsenic acid salt of composition Fe_3

$(\text{AsO}_4)_2 \cdot 6\text{H}_2\text{O}$ was established. The corrosion retarding action of such inhibitors as sodium arsenate, dibenzylsulphide, iodides and bromides in H_2SO_4 solution and nitrogen-containing bases in HCl solutions may be explained by the irreversible absorption of their ions by the surface atoms of the metal. As a result of chemosorp-

Card 3/5

25655
S/080/60/033/012/009/024
D209/D305

The mechanism of the ...

tional reaction of AsO_4^{3-} ions with Fe atoms a fine film of the reaction product is formed on the metal surface thus passivating it. In the case of Na_3AsO_4 the chemisorbed film of $\text{Fe}_3(\text{AsO}_4)_2 \cdot 6\text{H}_2\text{O}$ covers a considerable area of metal but is not uniform. Contact between acid and metal is limited and the kinetics of the corrosion process is controlled to a high degree by the diffusion of acid ions towards metal which explains the low values of the temperature coefficients in the process. It follows that the sodium arsenate inhibiting action is considerably lower in HCl than H_2SO_4 and its effectiveness decreases as the concentration of HCl and temperature increase. This may be explained by the ability of Cl ions to enter exchange adsorption with passivating ions AsO_4^{3-} . Obviously this exchange is more intense as temperature and concentration of the aggressor-ions are increased. It must also be mentioned that in H_2SO_4 solutions, the iron surface becomes positively charged and in HCl - negatively. The adsorption of AsO_4^{3-} ions by sur-
Card 4/5

The mechanism of the ...

S/080/60/033/012/009/024
D209/D305

face Fe atoms will, therefore, be more difficult than in the H_2SO_4 solutions. There are 4 figures, and 18 references: 11 Soviet-bloc and 7 non-Soviet-bloc. The references to the 4 most recent English-language publications read as follows: H.C. Gatos, Corrosion, 12, 7, 32, 1956; C. King, P. Rau, J. Electroch. Soc., 103, 6, 331, 1956; K. Kraemer, Iron Trad. Ber. 14, 841, 1928; O. Weths, Trans. Am. Electrochem. Soc. 67, 259, 1935; 81, 511, 1942.

ASSOCIATION: Voronezhskiy gosudarstvennyy pedagogicheskiy institut
(Voronezh State Pedagogical Institute)

SUBMITTED: April 26, 1960

Card 5/5

S/137/62/000/001/190/237
A006/A101

AUTHORS: Kaitrov, K. A.; Dugin, M. A.

TITLE: Electrode potentials of steel in inhibited sulfuric acid solutions at various temperatures

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 84 - 85; abstract 1596 ("Izv. Voronezhsk. gos. ped. in-ta", 1960, v. 29, 101 - 111)

TEXT: The authors studied the effect of temperature and inhibitors (urotropine and formaldehyde) on the electrode potentials of low carbon steel in 1 and 7 n. H_2SO_4 solutions. The electrode potentials of steel were in all cases refined. The refining was particularly high within the initial 15 - 20 minutes; subsequently the potentials acquired practically a stationary value. A temperature increase in non-inhibited H_2SO_4 solutions had a very low effect on the magnitude of the electrode potential of the steel. At 60 - 80°C the potential was somewhat shifted to the positive side. The introduction of inhibitors refined the electrode potentials of steel at all the temperatures. At a higher temperature of the inhibited H_2SO_4 solutions the potential of the steel electrode is shifted toward the negative side. If the H_2SO_4 concentration is increased from

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Electrode potentials of...

8/137/62/004/001/190/237
A006/A101

1 to 7-A., the steel potential is depolarized in both pure and inhibited solutions. Initial (one-minute) potentials and those which changed in time, (150 minutes after immersion), change in the majority of cases according to regularities established for stationary (15 - 30 minutes) potentials. There are 21 references.

Author's summary

[Abstracter's note: Complete translation]

Card 2/2

18.8310

33847

S/137/62/000/001/193/237

A006/A101

AUTHOR: Dugin, N. A.

TITLE: On corrosion and electrochemical behavior of steel in 1 and 7 n. sulfuric acid solutions, pure and inhibited by the admixture of ferrous metals, at various temperatures

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 85, abstract 11599 ("Izv. Voronezhsk. gos. ped. in-ta", 1960, v. 29, 151 - 159)

TEXT: The author studied the effect of temperature on corrosion and electrochemical behavior of grade 08 steel in 1 and 7 n. H_2SO_4 solutions, both pure and inhibited by the admixture of ferrous metals. The admixture of ferrous metals inhibits corrosion of steel in 1 n. H_2SO_4 solutions within 0 - 80 °C, by a factor of 12 - 25; in 7 n. solutions by a factor of 25 - 125. The effective activation energy of corrosion processes, is lower in inhibited than in pure H_2SO_4 solutions. Irreversible electrode potentials of 08 steel are more positive in inhibited than in pure H_2SO_4 solutions, and are depurified with higher temperatures. The author analyzes the mechanism of the protective effect of ferrous metal admixtures to 1 and 7 n. H_2SO_4 solutions at various temperatures. There are 8 references.

[Abstracter's note: Complete translation]

Author's summary

Card 1/1

18-830

33848

S/137/62/000/001/194/237
A006/A101

AUTHOR: Dugin, N. A.

TITLE: On the possibility of using ferrous metal admixtures to inhibit corrosion of steel in hydrochloric acid solutions at various temperatures

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 85, abstract 11600 ("Izv. Voronezhsk. gos. ped. in-ta", 1960, v. 29, 161-166)

TEXT: The author studied the effect of temperature on corrosion and electrochemical behavior of steel in HCl-solutions, both pure and containing ferrous metal admixtures. The addition of 0.025% ferrous metal to 1 n. HCl solutions inhibits steel corrosion at 0 - 80°C. The inhibiting effect increases with higher temperature of the etching solution. The admixture of 0.1% ferrous metal to 7 n. HCl solutions protects the metal effectively against corrosion only at low temperatures (0 - 20°C). The admixture of ferrous metal to HCl is a mixed-type inhibitor, but inhibits mainly the anodic process. There are 7 references.

[Abstracter's note: Complete translation]
Card 1/1

Author's summary

S/137/62/000/012/060/085
A006/A101

AUTHORS: Khitrov, V. A., Dugin, N. A., Khmel'kov, V. F.

TITLE: The effect of temperature upon the corrosion of low-carbon steel in acid inhibited media

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 12, 1962, 116, abstract 12I720 ("Vestn. tekhn. i ekon. inform. N.-1. in-t tekhn.-ekon. issled. Gos. kom-ta Sov. Min. SSSR, po khimii", 1962, no. 4, 33 - 36)

TEXT: The authors studied the effect of temperature upon corrosion resistance of low-carbon steels in acid inhibited media and upon the magnitude of electrode potentials. Grade "08" steel was investigated in 1 n. and 7 n. H_2SO_4 and HCl at 0, 20, 40, 60, and 80°C. Urotropine, formaldehyde and Na arsenate were employed as inhibitors. With higher temperatures the Na arsenate in H_2SO_4 and HCl solutions inhibits very strongly the course of both electrode processes, whereas the effectiveness of formaldehyde and urotropine is reduced.

[Abstracter's note: Complete translation]

N. Lukashina

Card 1/1

ACCESSION NR: AP4034716

B/0064/64/000/004/0307/0310

AUTHOR: Khitrov, V. A.; Zadorozhnyy, V. P.; Smol'yaninov, I. S.; Zhukova, G. F.;
Dugin, N. A.; Konyayev, B. Ya.

TITLE: Use of bottoms from SK production as acid corrosion inhibitors.

SOURCE: Khimicheskaya promyshlennost', no. 4, 1964, 307-310

TOPIC TAGS: corrosion inhibitor, rubber production byproduct, still bottom, SK
rubber production, saturated alcohol, unsaturated alcohol, saturated hydrocarbon,
unsaturated hydrocarbon, unpolymerisable hydrocarbon, acid corrosion inhibitor,
inhibition mechanism, chemisorption

ABSTRACT: The effectiveness of various cuts of still bottoms from rubber produc-
tion as acid corrosion inhibitors for steels and copper was investigated. Three
mixtures were examined: (1) foam reagents (PR) obtained from still bottoms
remaining after distillation of technical butanol and comprising 25-35% saturated
and unsaturated C₆ and C₈ alcohols, 3-5% butanol, 25-30% hydrocarbons, 30-35% heavy
ends and traces of phenols and aldehydes; (2) still bottoms (KO) comprising low
boiling saturated and unsaturated hydrocarbons separated from divinyl (35-45C

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ACCESSION NR: AP4034716

fraction contained to 40% amylene and piperazine; 65-80c fraction contained to 70% hexylene and hexadiene and small amounts of benzene, toluene, hexene; (3) motor fuel (MT) comprising a mixture of unpolymerisable hydrocarbons from washed still bottoms. The corrosion inhibiting effects of these products were tested at 0-80C as follows: PR, corrosion of low carbon steel 08 in 1 and 7N HCl and H_2SO_4 ; PR and KO, corrosion of stainless steel 1Kh18N9T in 1 and 7N HCl, and PR, KO and MT, corrosion of copper in 3N HNO_3 . PR effectively retarded corrosion of steel in H_2SO_4 and HCl and of copper in HNO_3 . Addition of 0.1 wt.% KI increased the effectiveness (at 80C, by over 2000 times). 2.5% PR plus 0.5% sodium arsenite almost completely prevented corrosion of 08 steel at 80C in 1N HCl. PR almost prevented corrosion of the stainless steel in 1N HCl and retarded corrosion in 3N HCl; corrosion in 7N HCl was very rapid after 6-7 hours. It is suggested the inhibition mechanism involves chemisorption of the PR components on the metal surface. PR and KO inhibited corrosion of copper in HNO_3 below 200; MT was not especially effective. Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

Card 2/3

ACCESSION NR: AP4034716

SUB CODE: MT, OC

NO REF SOV: 008

OTHER: 000

Card 3/3

KRITROV, V.A.; DUGIN, N.A.

Potassium iodide and compositions on its basis as retarders
of steel corrosion in sulfuric acid solutions at 0 - 80°
temperatures. Inv. Vor. gos. ped. inst. 47:109-122 '64.
(MIRA 18:11)

DUGIN, N.A.

Effect of temperature on the corrosion behavior and electrode potentials of low-carbon steel in sulfuric acid solutions containing potassium arsenite additions. Izv.Vor.gos.ped.inst. 47:135-142 '64. (MIRA 18:11)

DUGIN, N.A.; SHATALOV, A.Ya.

Use of polarization curves for determining the inhibition degree of anodic and cathodic partial processes in acid iron corrosion in inhibited solutions with various temperatures. Zhur. fiz. khim. 39 no.4:1025-1027 Ap '65.

(MIRA 19:1)

1. Institut obshchey i neorganicheskoy khimii AN SSSR, Moskva. Submitted Nov. 22, 1963.

KHITROV, V.A.; ZADOROZHNYI, V.P.; SMOL'YANINOV, I.S.; SHATALOVA, V.I.;
DUGIN, N.A.

Activation energy and temperature dependence of the rate of
the corrosion of metals dissolving in nonoxidizing acids.

Izv.Vor.gos.ped.inst. 47:78-90 '64.

(MIRA 18:11)

KHITROV, V.A.; ZADOROZHNYI, V.P.; DUGIN, N.A.

Corrosive and electrochemical behavior of low-carbon steel
in solutions of sulfuric and hydrochloric acids of various
concentrations at temperatures of from 0 to 80°, Izv.Vor.
gos.ped.inst. 47:5-17 '64.

(MIRA 18:11)

FILIPPOVA, V.V.; DUGIN, N.I.

New technology introduced in the textile finishing factories of
the Ivanovo Economic Council. Tekst.prom. 20 no.1:47-50
Ja '60. (MIRA 13:5)

1. Sotrudniki Tsentral'noy laboratorii Ivkhlopproma.
(Ivanovo Province--Textile industry)

DUGIN, N.I.

Possibility of using gumbrin for substituting part of the starch in sizes and thickeners. Tekst. prom. 25 no.4: 54-56 Ap '65. (MIRA 18:5)

1. Starshiy inzh. Tsentral'noy kontrol'no-ispytatel'noy i analiticheskoy laboratorii Upravleniya khlopchatolunazhnoy promyshlennosti Verkhne-Volzhskogo soveta narodnogo khozyaystva.

SEDOV, Anatoliy Ivanovich; DUGIN, Sergey Aleksandrovich; SMIRNOV,
O.S., red.; GORYACHKINA, R.A., tekhn. red.

[Motorbus passenger traffic census] Oboledovanie passashiro-
potokov avtobusov. Moskva, Avtotransisdat, 1963. 77 p.
(MIRA 16:6)

(Motorbus lines) (Traffic surveys)

DUGIN, V., polkovnik

Tank platoon attack from the march. Voen. vest. 40 no. 1:30-34
Ja '61. (MIRA 13:12)
(Tank warfare)

ACC NR: AP6004824

SOURCE CODE: UR/0108/66/021/001/0015/0019

AUTHOR: Geranin, V. A. (Active member); Dugin, V. V. (Active member); P'yanov, V. M. (Active member)

ORG: Scientific and Technical Society of Radio Engineering and Electrocommunication (Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi)

TITLE: Spectra of time-restricted bell-shaped and $\sin x / x$ video pulses

SOURCE: Radiotekhnika, v. 21, no. 1, 1966, 15-19

TOPIC TAGS: video pulse, bell shaped pulse

ABSTRACT: Practical time-restricted bell-shaped and $\sin x / x$ pulses are considered. A restricted bell-shaped pulse has a "pedestal" at its base. Neglecting the pedestal,

the complex spectral density of the amplitude is: $S_a(f) = \frac{1}{f} e^{-\pi} [H(z) - H(-z^*)]$,

where $H(z) = \int_0^z e^{-\pi p} dp$. The latter integral can be evaluated by using tabulated

functions and a few auxiliary formulas. Three bell-shaped pulses are presented graphically. The complex spectral density of a $\sin x / x$ pulses is given by:

$$S_s\left(1 \frac{1}{F}\right) = \frac{1}{F} \left\{ \text{Si}\left[\pi\left(1 + \frac{1}{F}\right)\right] + \text{Si}\left[\pi\left(1 - \frac{1}{F}\right)\right] \right\}.$$

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UDC: 621.374

I. 39301-68

ACC NR: AP6004824

The shape of this pulse is shown. Orig. art. has: 5 figures and 37 formulas.

SUB CODE: 09 / SUBM DATE: 13Jan64 / ORIG REF: 004

2/20/64

ACC NR: AP6032919

SOURCE CODE: UR/0142/66/009/003/0310/0315

AUTHOR: Vollerner, N. F. (Professor); Balitskaya, V. G.; Dugin, V. V.

ORG: none

TITLE: Evaluating the echo-signal amplitude with an allowance for a-priori distribution of probability density of the signal levels

SOURCE: IVUZ. Radiotekhnika, v. 9, no. 3, 1966, 310-315

TOPIC TAGS: radar echo, radar detection

ABSTRACT: The amplitude evaluation is made on the basis of mathematical expectation of the amplitude because this method permits finding an unbiased amplitude estimate with minimal mean-square error. Design formulas are derived for estimating the signal amplitude from a known level of the signal-mixed-with-Gaussian-noise envelope for uniform, Raleigh, and more general

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UDC: 621.391.16

ACC NR: AP6032919

a-priori distributions. The curves shown in the article permit determining the confidence intervals of amplitude, with a specified probability and with a known order of magnitude of the ratio of signal dispersion to noise mean-square value; the curves also permit finding approximate estimate of the amplitude, as well as finding the order of error for the case when uniform distribution is assumed instead of real a-priori distribution. Orig. art. has: 6 figures and 22 formulas.

SUB CODE: 17, 09 / SUBM DATE: 22Jun64 / ORIG REF: 002 / OTH REF: 001

CARD 3/2

AKSEL'ROD, Solomon Moiseyevich; BERPAN, Mark Mikhaylovich; VINOGRAY, Lazar' Il'ich; GOL'DZAND, Samuil Shlerovich; DUQIN, Yakov Sergeyevich; DULEPOV, Konstantin Vasil'yevich; KALUGA, Ivan Ivanovich; LERNER, Yefim L'vovich; LUTSKIY, Moisey Leybovich; PILETSKIY, Vladimir Kirillovich; SADOVNIKOV, Petr Pavlovich; SHLYAMOVICH, Abram-Aronovich; VASIL'YEV, B.A., red.; SOBOLEV, Ye.M., tekhn. red.

[Problems of radio engineering and radar] Zadachnik po radiotekhnike i radiolokatsii. [By] S.M. Aksel'rod i dr. Moskva, Gosenergoizdat, 1962. 414 p. (MIRA 15:12)

(Radio) (Radar)

DUGIN, YE.V.

DUGIN, Ye.V.

Southern State Institute for the Design and Planning of Coal Mine
Building. Shakht.stroi. no.11:27-29 M '57. (MIRA 10:12)

1. Direktor instituta Yuzhgiprosnakht.
(Russia, Southern--Research, Industrial) (Coal mines and mining)

DUGIN, YevV., inzh.; PARAKANOV, K.I., inzh.

Problems of standard design in coal mining enterprises. Shakht.
stroit. no.8:6-8 Ag '58. (MIRA 11:9)
(Coal mines and mining--Standards)

DUGIN, Ye.V.

Shortcomings in and potentialities of coal preparation. Ugol' 33
no.10:23-25 0 '58. (MIRA 11:11)

1. Direktor Yuzhgiprosbakhta.
(Coal preparation)

DUGIN, Ye. V., inzh.; VARSHAVSKIY, I. N., inzh.

Basic features of a new type of mine. Ugol' 34 no. 5:31-36 My '59.
(MIRA 12:7)

1. Yuzhgipro shakht.
(Coal mines and mining)

AKOL'ZIN, L.Ye.; LISHBERGOV, V.D.; SHCHUKINA, G.F.; TSOY, D.; DUQIN,
Ye.V., otv.red.; DUKALOV, M.F., red.; SUBYR', V.A., red.; TYUTUNIK,
Ya.I., red.; KOWIN, M.I., red.; PANCHENKO, A.I., red.; VARSHAVSKIY,
I.N., red.; BELYAYEV, P.R., red.; BABINKOVA, L.K., red.isd-vs;
KOROVENKOVA, Z.A., tekhn.red.

[Standard cross sections of mine workings] Tipovye sechenia gornyykh
vyrabotok. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po gornomu delu.
Vol.1. [Cross section of timber-supported workings for 1, 2, and
3-ton cars] Sechenia vyrabotok, zakreplennykh derevom dlia 1, 2
i 3-tonnykh vagonetok. 1960. 345 p. (MIRA 13:11)

1. Moscow. Gosudarstvennyy proyektnyy institut Tushgiproszhakht.
(Mining engineering)

AKOL'XIN, L.Ye.; BEDILO, V.Ye.; BORODOV, I.A.; VINARSKIY, I.S.;
GOLOVATYUK, S.A.; NIKOLAYEV, G.P. *Prinimeli uchastiye:*
DATSUN, M.V.; ZHEGOV, V.T.; IVANITSKAYA, S.Yu.; KOMISSAROV,
M.A.; KALINCHUK, I.G.; LISHBERGOV, V.D.; SKREBRENNKOVA, S.O.;
FILIN, V.D. DUGIN, Ya.Ya. *otv.red.*; DUKALOV, M.F., *red.*;
BUBYR', V.A., *red.*; TYUTYUNIK, Ya.I., *red.*; VARSHAVSKIY, I.N.,
red.; MONIN, M.I., *red.*; PANCHENKO, A.I., *red.*; BELIAYEV, F.R.,
red.; RABINKOVA, L.K., *red.isd-vz*; BOLDYREVA, Z.L., *tekhn.red.*

[Types of mine cross section] *Tipovye secheniya gornykh vyrebo-*
tok. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po gornomu delu.
Vol.5. [Cross section of mines with reinforced-concrete supports
and hinge-hung crossbars for 1-, 2- and 3-ton railroad cars]
Secheniya vyrebotok, sakreplennykh shelesobetonnyimi stoikami
s sharnirno-podvesnym vekhniskom, dlia 1-, 2- i 3-tonnykh
vagonetok. 1960. 411 p. (MIRA 13:12)

1. Khar'kov. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht.
(Mine timbering)

BEDILO, V.Ye.; BOROKDOV, I.A.; YERSHOV, V.S.; MOGILKO, A.P.; NIKOLAYEV, G.P.; DUGIN, Ye.V., otv.red.; DUKALOV, M.F., red.; BUBYE', V.A., red.; VARSHAVSKIY, I.M., red.; TYUTYUNIK, Ya.I., red.; MONIN, M.I., red.; PANCHENKO, A.I., red.; BELYAYEV, F.R., red.; RABINKOVA, L.K., red.isd-va; BOLDYREVA, Z.A., tekhn.red.

[Standard cross sections of mine workings] Tipovye sechenia gorn'nykh vyrabotok. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po gornom delu. Vol.2. [Cross section of workings lined with concrete and artificial stone, for 1-ton cars] Sechenia vyrabotok, sakreplennykh betonom i iskusstvennym kamnem, dlia 1-tonnykh vagonetok. 1960. 459 p. (MIRA 13:11)

1. Moscow. Gosudarstvennyy proyektnyy institut Yuzhgiprosnakht.
(Mining engineering)

AKOL'ZIN, L.Ye.; BEDILO, V.Ye.; BOROKDOV, I.A.; LISHEBEGOV, V.D.; TSOY, D.;
DUGIN, Ye.V., otv.red.; DUKALOV, M.F., red.; BUBYR', V.A., red.;
TYUTYUNIK, Ia.I., red.; MONIN, M.I., red.; PANCHENKO, A.I., red.;
BELYAYEV, F.R., red.; BABINKOVA, L.K., red.isd-va; KOROVENKOVA,
Z.A., *tekhn.red.

[Standard cross sections of mine workings] Tipovye sечения
gornyykh vyrabotok. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po
gornomu delu. Vol.3. [Cross section of workings lined with
concrete and artificial stone for 2 and 3-ton cars] Sечения vy-
rabotok, sakreplennykh betonom i iskusstvennym kamnem, dlia 2- i
3-tonnykh vagonetok. 1960. 447 p. (MIRA 13:11)

1. Moscow. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht.
(Mining engineering)

DUDIN, Ye.V.; BUBER', V.A.

Over-all plan for the rebuilding of the existing capital assets
of Donets Basin mines. Ugol' 35 no.1:39-40 Ja '60.
(MIRA 13:5)

1. Yushaiprosnakht.
(Donets Basin--Coal mines and mining--Equipment and supplies)
(Mining industry and finance)

AKOL'ZIN, L.Ye.; BORODOV, I.A.; BEDILO, V.Ye.; TERESHKIN, F.M. Prinimali
uchastiye: BELYAYEV, F.R.; BEREZHENOV, N.V.; BUBIR', V.A.; VAREHAVSKIY,
I.M.; DUDKO, V.P.; YERSHOV, V.S.; DUGIN, Ye.V.; DUKALOV, M.F.;
IVANOV, P.S.; KONAREVA, V.F.; MONIN, M.I.; MOGILKO, A.P.; PANCHENKO,
A.I.; POKALYUKOV, S.M.; PRIKHOD'KO, M.D.; RUBIN, I.A.; SIDORENKO,
P.A.; TYUTYUNIK, Ya.I.; KHEML'NITSKIY, L.Ya.; BONDAR', V.I.; KRIVTSOV,
A.T.; LOKSHIN, V.D.; SOFIYENKO, N.P. RABINKOVA, L.K., red.isd-va;
BOLDYREVA, Z.A., tekhn.red.

[Types of mine cross section] Tipovye sechenia gornykh vyrabotok.
Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po gornomu delu. Vol.4.
[Cross section of mines supported by a sectional reinforced-concrete
lining of URP-II panels for 1-, 2- and 3-ton railroad cars] Sechenia
vyrabotok, zatreplennykh sbornoj zhelezobetonnoi krep'iu iz plit
URP-II, dlia 1-, 2- i 3-tonnykh vagonetok. 1960. 278 p.

(MIRA 13:12)

1. Khar'kov. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht.
(Mine timbering)

BEDILO, V.Ye.; KALINCHUK, I.G.; LISHENKOV, V.D.; NIKOLAYEV, G.P.; TSOY, D.;
SHCHUKINA, G.F. Priniimeli uchastiye: KOLESNIKOV, V.F.; OSTAPENKO,
P.V.; SEMOVA, M.P.; TKACHEV, M.V. DUDIN, Ye.V., otv.red.;
RABINKOVA, L.K., red.isd-va; KOROVENKOVA, Z.I., tekhn.red.; SABITOV, A.,
tekhn.red.

[Types of mine cross section] Tipovye sечения gornyykh vyrabotok.
Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po gornomu delu. Vol.6.
[Cross section of mines lined with steel arches and anchor bolting
for 1-, 2- and 3-ton railroad cars] Sечения vyrabotok, sakreplen-
nykh stal'noi arcochnoi i shtangovoi krep'iu, dlia 1-, 2- i 3-tonnykh
vagonetok. 1960. 503 p. (MIRA 13:12)

1. Khar'kov. Gosudarstvennyy proyektnyy institut Yuzhgiproshkht.
(Mine timbering)

DUGIN, Ye.V.

New type of mine. Ugol' Ukr. 5 no.11:3-9 N '61. (MIRA 14:11)

1. Direktor Yuzhgiproshakhta.
(Coal mines and mining)

DUGIN, Ye.V.

Technological progress in the projects developed by the Southern
State Institute for the Design and Planning of Mine Construction
in the Coal Industry. Ugol' 36 no.7:50-53 J1 '61. (MIRA 15:2)

1. Direktor Yuzhgiproshakhta.
(Coal mines and mining--Research)

DUGIN, Ye.V., inzh.; BUBER', V.A.

Improve the standard planning and design in the coal mining industry. Shakht.stroi. 6 no.11:1-2 N '62. (MIRA 15:12)

1. Gosudarstvennyy komitet Soversha Ministrov SSSR po toplivnoy promyshlennosti (for Dugin). Gosudarstvennyy trest po proyektirovaniyu shakhtnogo stroitel'stva v yuzhnykh rayonakh SSSR (for Buber').

(Mining engineering)

BRATSLAVSKIY, M.A.; DUGIN, Ye.V.; CHUBENKO, A.I.; NEDZEL'SKIY, N.R.;
BLUSHINSKIY, V.G.

Modernization of jigging machines in coal dressing plants.
Prom. energ. 17 no.11:9-10 N '62. (MIRA 15:12)
(Coal preparation plants)

DUGIN, Ye.V.

All-Union Conference of Workers of the Planning Organizations for the
Coal Industry of the U.S.S.R. Ugol' 40 no.6:74-75 Je '65. (MIRA 18:7)

DUGIN, Ye.V.

Complex plan for expanding the coal industry of the Kuznetsk
Basin. Ugol' 40 no.11:74-75 '65. (MIRA 18:11)

NESTEROV, V.S., prof., red.; DUGINA, O.M., red.; SERADZSKAYA, P.O.,
tekhn.red.

[Diseases of the heart and blood; proceedings of the First
Conference of Therapists of the Central and Southeastern
Provinces of the R.S.F.S.R., 1957] Bolesni serdtsa i krovi;
trudy I konferentsii terapevtov tsentral'nykh i yugo-vostochnykh
oblastei RSFSR. Voronezh, Voronezhskoe knizhnoe izd-vo, 1959.
385 p. (MIRA 14:3)

1. Konferentsiya terapevtov tsentral'nykh i yugo-vostochnykh
oblastey RSFSR. 1st, 1957.
(HEART--DISEASES) (BLOOD--DISEASES)

ACC NR. 137000999 (A) SOURCE CODE: UR/0138/66/003/012/0002/0005

AUTHOR: Kovalov, N. F.; Korotkov, A. A.; Petrov, G. N.; Raykh, V. N.; Lisochkin, G. F.; Diggins, L. V.; Sventova, L. A.

ORG: All-Union Scientific Research Institute of Synthetic Rubber im. S. V. Lebedev (Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka)

TITLE: Preparation and properties of butadiene-isoprene block polymers

SOURCE: Kauchuk i resina, no. 12, 1966, 2-5

TOPIC TAGS: butadiene, isoprene, block copolymer, polymer physical property

ABSTRACT: A method was developed for preparing butadiene-isoprene block polymers in sufficient quantities to study their basic physicochemical properties. The block polymerization was carried out in a 50% isopentane solution in the presence of an organolithium catalyst, and the properties of the polymers were studied as functions of the monomer ratio and quantity of blocks in the polymer chain. From the standpoint of microstructure, the blocks of polyisoprene and polybutadiene are practically analogous to mixtures of isoprene-butadiene homopolymers obtained on the organolithium catalyst. From the standpoint of the properties of the vulcanisates, the synthesized block polymers practically do not differ from the properties of mechanical mixtures of the homopolymers and are entirely determined by the butadiene-to-isoprene ratio.

Card 1/2 UDC: (638.752.2+638.752.3)638.078.24.004.12

ACC NR: AP7000909

Orig. art. has: 6 figures and 1 table.

SUB CODE: 11/ SUBM DATE: 22Feb66/ ORIG REF: 002

Cord 2/2

SUSLOV, Nikolay Ivanovich, insh.; GREGOR'YEV, A.; elseu Daitriyevich,
kand. tekhn.nauk; PIDENOV, Igor' Vasil'ovich, insh.;
SUSLOVA, Valentina Ivanovna, insh.; KRESTNIKOV, Yevgeniy
Pavlovich, insh.; MOROTSKAYA, Valentina Ivanovna, insh.;
BASARGINA, Tamara Vasil'yevna, insh.; ZAYTSEV, Pavel
Aleksyevich, insh.; PODOL'SKIY, A.V., insh., retsensent;
LESIK, A.I., insh., retsensent; BASARGINA, T.B., insh.,
retsensent; BAGIN, Yu.I., insh., retsensent; DUGINA, N.A., red.

[Nonmetallic materials] Nemetallicheskie materialy; spravochnik.
Pod red. N.I. Suslova. Moskva, Mashgis, 1962. 360 p.

(MIRA 16:3)

(Nonmetallic materials)

DUGINA, N. S.

"Investigation of Chemical Reactions at Super-High Pressures and High Temperatures," Iz. Ak. Nauk SSSR, Otdel, Khim, Nauk, No 5, 1945.

Institute of Organic Chemistry

DUGINA, N. S.

USSR/Physics

Oct 1947

Dielectrics - Pressure Effects

Dielectrics - Gaseous

"The Measurement of Dielectrical Stable Ethylene Under Pressures up to 2149 Atmospheres," L. F. Vereshchagin, N. S. Dugina, Lab Super Pressure, Inst Org Chem, Acad Sci USSR, 4 pp

"Dok Akad Nauk SSSR" Vol LVIII, No 1, pp 41-44.

Study of the dielectric properties of ethylene as a function of pressure and temperature, shown in tabular and graphical forms. Submitted by Academician G. S. Landsberg.

PA 52T91

DOGINETS, N.D., inshener.

Using water-jet pumps to lower ground water. Gidr.stroi. 25 no.3:
20-21 Ap '56. (MIRA 9:9)
(Pumping machinery) (Water, Underground)

DUGINETS, Nikolay Dmitriyevich

GAVRILKO, Vladimir Matveyevich, kand.tekhn.nauk; DUGINETS, Nikolay
Dmitriyevich, inzh.; MAR'YANSKIY, L.P., red.; CHERNOV, V.S.,
tekhn.red.

[Hydraulic boring of large diameter wells] Gidravlichesкое
burenie skvashin bol'shikh diametrov. Moskva, Gos.energ.ind-vo,
1957. 63 p. (MIRA 11:1)
(Hydraulic engineering) (Boring)

DUGINOV, A.

Establishing norms for working capital. Den. i kred. 20
no.3:17-21 Mr '62. (MIRA 15:3)

1. Vnlen Gosplana SSSR.

(Capital)

DUGINOV, V.I.

Action of meteorological elements during the solar eclipse, June 30,
1954, in the Kamennaya Steppe. Meteor. i gidrol. no. 7:24-27 J1 '56.
(Kamennaya Steppe--Eclipse, Solar) (MIRA 9:10)

USSR/Cultivated Plants - General Problems.

M-1

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39138

Author : Melchanov, A.L., Duginov, V.I.

Inst : Kazakh Scientific Research Hydrometeorological Institute

Title : On the Division of Evaporation into Productive and Unproductive Types in Field Protective Forest Cultivation.

Orig Pub : Tr. Kazakhsk. n.-i. gidrometeorol. in-ta, 1957, vyp. 8, 94-99.

Abstract : The coefficient of turbulent exchange diminishes in the center of a field, located between forest strips, in comparison with an open place (Kamennaya (Stony) steppe) by 30-35%, and dq/dz between the levels of 20 and 200 cm increases by 18-20%. In connection with this, it was presumed that the unproductive evaporation on a fallow field between forest strips would be lower by 15-20% than in an

Card 1/2

DUGINOV, V.I.
DUGINOV, V.I.; KOROTKIN, V.A.

Perennial fluctuation of ground water level in the Kamennaya Steppe
and their relation to the fluctuations of meteorological elements.
Harvest. i okh. nedr. 23 no. 8: 43-49 Ag '57. (MIRA 10:11)

1. Kamennaya stepnaya gidrogeologicheskaya stantsiya, Kurskaya
observatoriya.

(Kamennaya Steppe—Water, Underground)

2

AUTHOR: Duginov, V.I.

50-58-3-8/22

TITLE: Results of the Application of the Method of Turbulent Diffusion
When Calculating the Evaporation in Agricultural Fields in the
~~Kamennoy step~~ (Rezultaty primeneniya metoda turbulentnoy
diffuzii dlya rascheta ispareniya s sel'skokhozyaystvennykh
poley Kamennoy Step)

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 3, pp 38-40 (USSR)

ABSTRACT: During the period of from 1954-1955 a complex series of tests was
projected for the purpose of measuring evaporation on various
test fields by different methods. The following measuring methods
were employed:

a) The weight method (evaporizer GGI-500)

b) Determination of the equilibrium of the water régime.

For the fields A - 2, A - 3, B - 2 the measured values as well as
the values calculated by Polyakov's method are given.

In all cases the value calculated from the curves agrees with the
measured values. The calculation method is therefore by all means
useful for rough calculations. There are 3 tables, and 6 Soviet

Card 1/2
1

references

Ben Lagard - Managing growth in the new world

DATE OF BIRTH: 12-1-1924
 DATE OF DEATH: 12-1-1924

University of Connecticut, Storrs, Connecticut 06269-3043, U.S.A. (e-mail: john.davis@uconn.edu)

Additional Sponsoring Agency: USSR, Soviet Ministry. Ongoing sponsorship of the program is continuing already.

Ed. (Title Page): G. A. Brueckner, *Director of Geographical Sciences*; Ed. (Inside cover): T. V. Dubrovskiy, *Prof., Ed. I. N. Vav. Publ.*

FUNCTION: This publication is intended for microbiologists and epidemiologic virologists.

[illegible]

WILLIAM A. Y. The President of the Ministry Between the Account of Law
Deposited on 17/05 and the Bill of

McClure, W. B. The Success of the Theory of Demand (Emilio) with Comments-
 1954 Type 4

Philadelphia, Pa.—The Bureau of a large City Open the temperature. At 10:00, and 10:00, and 10:00.

Abstract: V. M. Khoroshchilov is the author of the present study of the
complex plane in the light of the linear boundary of the

Anderson, G. A. The Value of Helianthus Spread Over a Great Territory 69

Figure 11.4.2: Relationship between the Average and the Turbulent Viscosity of Polystyrene Over the Temperature Range

only 1923, B. P. they stated one of the characteristics of the Persian tribe is the ability of conversion to Mohammedan usually within a year.

Abstract

195

Abstracts, E. R. Variability of the Great Precipitation During the 1960-1969 Period Over the World in Terms of European and Arctic Ocean Belonging to the Circulation of the Atmosphere.

253

ANALYZED: Library of Congress

253

DUGINOV, V.I.

Climatic variations in the steppe and forest-steppe zones of the
European part of the U.S.S.R. and their causes. Sbor.rab.Kursk.
gidromet.obser. no.1:5-17 '60. (MIRA 14:8)
(Russia—Climate)

DUGINOV, V.I.

Effect of forest shelter belts on frosts in the Kamennaya Steppe.
Sbor.rab.Kursk.gidromet.obser. no.1:52-59 '60. (MIRA 14:8)
(Kamennaya Steppe—Frost) (Forest influences)

DUGINOV, V.I.

Fedor Alekseevich Semenov, the self-taught astronomer and
meteorologist of Kursk. Meteor.i gidrol. no.6:41-44 Je '60.
(MIRA 13:6)

(Semenov, Fedor Alekseevich, 1794-1860)

DUGENOV, V. I.

Changes in the climate of the Central Black Earth Region. Trudy
GGO no.88:111-124 '60. (MIRA 13:8)
(Central Black Earth Region—Climate)

DUGINOV, V.I.

Relation between long-range cyclic variations of hydrological, meteorological, and biological factors and the variations of solar activity. Shor. rab. po gidrol. no.2:87-102 '61. (MIRA 15:2)

1. Khersonskiy gidrometeorologicheskii tsentr.

(Hydrometeorology-Periodicity)(Dendrochronology)

L 06216-67 ENI(1) GW		
ACC NR: AT6028549	(N)	SOURCE CODE: UR/2633/66/000/021/0059/0065
AUTHOR: <u>Duginov, V. I.</u>		24 B+1
ORG: none*		
TITLE: Some characteristics of the structure of the lower layer of the <u>atmosphere</u> above the <u>sea</u> ✓		
SOURCE: Vladivostok . Dal'nevostochnyy nauchno-issledovatel'skiy gidro-meteorologicheskiy institut. Trudy, no. 21, 1966. Voprosy gidrometeorologii (Problems of hydrometeorology), 59-65		
TOPIC TAGS: lower atmosphere, atmospheric temperature, atmospheric temperature gradient, marine meteorology, thermometer, research ship / Yu M Shokal'skiy research ship		
ABSTRACT: Certain characteristics of the structure of the lower atmospheric layer above the sea are described. The work was done on the basis of gradient observations on the research ship " <u>Yu. M. Shokal'skiy</u> " in the Pacific Ocean. On all trips the observations were made in three series of readings: 1) one reading each of all thermometers; 2) one reading each of all thermometers; 3) etc. The average was taken from the three successive readings (see Fig. 1). Complex vertical air-temperature profiles were observed (see Fig. 2). It was found that in slightly cloudy weather the vertical air-temperature distribution in the layer adjacent to the water does not		
Card 1/2	UDO: 551.510.522(26)	

L 06216-67

ACC NR: AT6028348

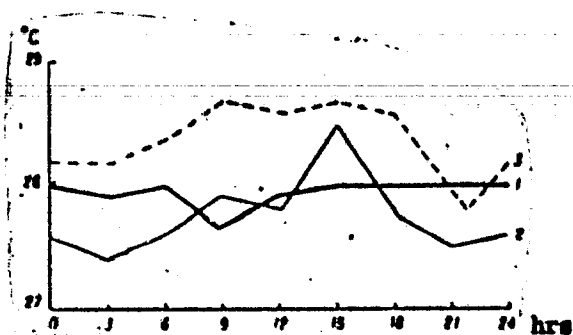


Fig. 1. Daily variation of temperature of water surface (1) and air at heights of 8 m (2) and 13 m (3). 22 December 1963 to 12 January 1964.

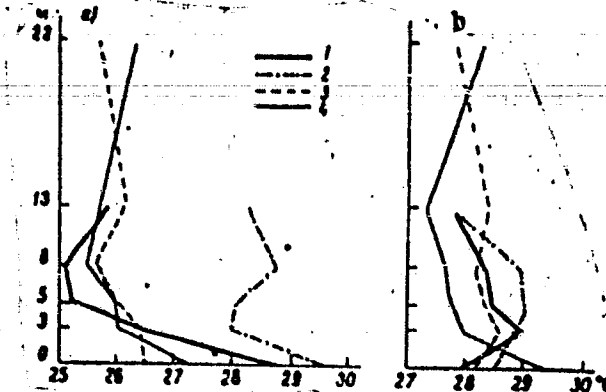


Fig. 2. Temperature profiles in the layer adjacent to water at night (a) and in daytime (b): 7--12 January 1964: 1 - in drift; 2 - in motion; 18--22 March and 7--12 April; 3 - in drift; 4 - in motion.

correspond to a logarithmic or power law. Orig. art. has: 2 graphs.

SUB CODE: 04/ SUBM DATE: none/ ORIG REF: 007

Cord 2/2 LL

USSR/Human and Animal Physiology. Digestion. The Stomach.

T-7

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55752.

Author : Dugladze, V. V.

Inst :

Title : Gastric Day and Night Secretion in Ulcerative Diseases.

Orig Pub: V sb.: Klinika i lecheniye zabolevaniy zheludka.
Ordzhonikidze. 1956, 99-100.

Abstract: No abstract.

Card : 1/1

119

DUGLAV, V. A.

IRIMOV, A.P.; DUGLAV, V.A.

Geomorphology of the southern part of Vyatka Uval. Uch.zap.Kaz.
un. 116 no.5:213-217 '56. (MLRA 10:4)

1. Kafedra fizicheskoy geografii.
(Vyatka Uval--Geology, Structural)

DUCLAV, V.A.

Some problems in the morphology of the lower Kama bottomlands
and present evolution of the river. Uch.sap.Kas.un. 116 no.5:218-
222 '56. (MLRA 10:4)

1. Kafedra fizicheskoy geografii.
(Kama Valley--Physical geography)

STUPISHIN, A.V., prof.; BABANOV, Yu.V., ml. nauchn. sotr.;
GUSEVA, A.A., ml. nauchn. sotr.; ~~DUGLAV, V.A., dots.~~;
ZAKHAROV, A.S., dots.; KOSTINA, N.M., assistant; LAVROV,
D.D., dots.; LAPTEVA, N.N., assistant; ROMANOV, D.F., ml.
nauchn. sotr.; SIROTKINA, M.M., aspirant; SMIRNOVA, T.A.,
ml. nauchn. sotr.; TORSIYEV, N.P., st. prepod.; TAYSIN,
A.S., st. prepod.; TROFIMOV, A.M., assistant; KHARITONICHEV,
A.T., prepod.; STUPISHIN, A.V., red.; KHABIBULLOV, R.K.,
red.

[Establishing physico-geographical regions in the middle
Volga Valley] Fiziko-geograficheskoe raionirovanie Sred-
nego Povolz'ia. Kazan', Izd-vo Kazanskogo univ., 1964. 196 p.
(MIRA 18:12)

DOGLAY, V. A.

In memory of V.V. Batyr. Izv.Vses.geog.ob-va. 90 no.5:459-470
8-0 : '58. (MIR) 11:11)
(Batyr, Vladimir Vikent'evich, 1907-1957)

L 40858-66 EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(s) ROW/JD

ACC NR: AT6023225

SOURCE CODE: UR/2910/65/005/003/0403/0408

AUTHOR: Gashka, I. I. — Gaska, I.; Dugnas, I. I. — Dugnas, J.

ORG: Vil'nyus State University im. V. Kapsukas (Vil'nyuskiy Gosudarstvennyy universitet)

TITLE: Investigation of the change of electrical conductivity of certain high-resistance semiconductors in strong SHF fields

SOURCE: AN LitSSR. Litovskiy fizicheskii sbornik. v. 5, no. 3. 1965, 403-408

TOPIC TAGS: SHF, cadmium selenide, cadmium sulfide, semiconductor conductivity, semiconductor single crystal

ABSTRACT: The change of electrical conductivity of single crystals of CdS and CdSe semiconductors in strong SHF fields was investigated. The measurements were taken for specimens having a resistivity of the order of 10^7 — 10^8 ohm cm. An investigation of the dependence of the change of conductivity of the specimens on the intensity of illumination at a constant field strength showed that for all investigated specimens the conductivity at first increased with an increase of illumination and then dropped upon reaching a certain light intensity. When the temperature of the specimen was varied from -70 to +70C the signal remained virtually constant. The change of conductivity in a strong field was observed in those specimens which were photosensitive. In low-resistance, non-photosensitive specimens it was not possible to detect the effect of a change in conductivity. Nor was it observed in polycrystalline specimens despite

Cord 1/2

L 40838-66

ACC NR: AT6023225

the fact that they had a high resistivity and were photosensitive. Since it is difficult to explain fully the observed phenomena on the basis of the obtained results, additional investigations are planned. However, on the basis of the data collected it is assumed that the observed change of conductivity in the investigated specimens is associated with phenomena occurring at the contacts of the metal with the semiconductor. Orig. att. has: 8 figures.

SUB CODE: 20/ SUBM DATE: 01Feb65/ ORIG REF: 002

Card 2/2 LC

DUGONJIC, Dusan MILOJEVIC, B.Z.

Soviet geography; its achievements and tasks." Reviewed by
Dusan Dugonjic and B.Z. Milojevic. Glas Srp geogr dr 42
no.1:85-86 '62.

BUROCHNIK, V.

Lake Ladoga. p. 35.
(GLASNIK, Vol. 36, No. 1, 1956 (Published 1957))

SO: Monthly List of East European Accessions (SEAL) LC Vol. 6, No. 12, Dec. 1957
Uncl.

DUGOSEVIC, J.

DUGOSEVIC, J.; GLAVAS, A. "Dissolving tannin deposits."
Kemija U Industriji, Zagreb, Vol 3, No 6, June 1954, p. 180

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

Dugosevic, J.

YUGOSLAVIA/Chemical Technology - Chemical Products and Their I-29
Application - Leather. Fur. Gelatin. Tanning Agents.
Technical Proteins.

Abs Jour : Referat Zhur - Khimiya, No 9, 1957, 33131
Author : Glavas, A., Dugosevic, J.
Inst :
Title : Prevention of Mold Development in Tanning Liquor
Orig Pub : Kemija u inductriji, 1956, 5, No 10, 241-243

Abstract : During the warm season and in the southern areas solutions of vegetable tanning agents can develop a growth of microorganisms, primarily molds, which causes difficulties in tanning. There are available a number of chemical preparations which prevent, even at a concentration of 0.1%, the development of microorganisms in tanning solutions. The use of furfuryl alcohol for this purpose, is discussed (optimal concentration 0.6%). The advantage of furfuryl alcohol resides in the fact that it has some tanning

Card 1/2

YUGOSLAVIA/Chemical Technology - Chemical Products and Their I-29
Application - Leather. Fur. Gelatin. Tanning Agents.
Technical Proteins.

Abs Jour : Ref Zhur - Khimiya, No 9, 1957, 33131

action and promotes the dissolution of precipitates in
tanning liquor.

Card 2/2

DUGOSEVIC, Jovo, ing.

Foreword to the "Almanah hemiske industrije i srodnih industriskih
grana". Alm hem ind 1-6 '56.

1. President of the Union of Chemists and Technologists of the
Federal People's Republic of Yugoslavia

DUGOSEVIC, Jovan, ins.

1952-1962. Kem ind 11 no.10:577-578 '62.

1. Odgovorni urednik, "Kemija u industriji".

DUGOSEVIC, Jovan, inz. (Zagreb, Boskovicova 33)

Need for highly skilled and qualified personnel in chemical industries. Tehnika Jug 18 no. 12: Supplement: Hemindustrija 17 no. 12: 2297-2301 D '63

1. Visi savjetnik Kemijske industrijske zajednice (KIZ), Zagreb.

GATLAND, K.W.; ~~DUBOSHIN, V.V.~~ [translator]; MAKSIMOV, M.I. [translator];
VAKHISTYNOV, V.V. [translator]; GRISHIN, A.P., doktor tekhnicheskikh
nauk, redaktor; KHUGLIKOV, F.F., redaktor; KLIMENKO, S.V., tekhnicheskii
redaktor

[Development of the guided missile. Translated from the English]
Razvitie upravlyayemykh snaryadov. Perevod s angliiskogo V.N.Duboshina
i dr. Pod red. A.P.Grishina. Moskva, Izd-vo inostrannoi lit-ry,
1958. 369 p. (MLSA 9:12)
(Guided missiles)

KLEPCHENKO, A.V., sootekhnik; DUGROVA, E.D., redaktor; PRVZHNER, V.I.,
tekhnicheskiy redaktor

[Increasing productivity in stockbreeding] Za razvitie produktivnogo
shivotnovodstva. [Moskva] Gos. izd-vo selkhoz. lit-ry, 1956. 98 p.
(MIRA 9:9)

(Stock and stockbreeding)

OBRADOV, S., doc. dr.; MUSAFIJA, A., dr.; DUGUMOVIC, Z., dr.

Thalassemia minor Hb-S. Based on cases in one family. Med.
arh. 18 no.6:47-56 N-D'64.

1. Interna klinika Medicinskog fakulteta u Sarajevu (Sef:
Prof. dr. Bogdan Zimonjic).

COUNTRY : USSR
 CATEGORY : Forestry. Forest Cultures. X
 ABS. JOUR. : RZhBiol., No. 14 1959, No. 63242
 AUTHOR : Pashkov, G. D.; Duguyan, D. K.
 INST. : Rostov-on-Don University
 TITLE : Dependence of the Growth of Oak Seedlings on Number
 in the Cluster
 ORIG. PUB. : Uch. zap. Rostovsk. -n/9 un-ta, 1957, 28, 63-72
 ABSTRACT : To explain the peculiarities of development of oak as
 depending on the number of oak seedlings in the cluster,
 three forest belts established by the cluster method in
 Rostovskaya oblast in 1949 were studied in 1953. The
 number of seedlings per cluster varied from 1 to 25-33.
 It was established that the greater the number of oak
 seedlings in the cluster, the greater the height attained
 by the principal mass. The thickness of the seedlings
 at the same height decreased with increase in the number
 of plants in the cluster.--O. N. Fedotova

CARD: 1/1

DUGUYAN, D.K.

**Rostov Section of the All-Union Botanical Society. Bot.shur.
44 no.8:1213-1214 Ag '59. (MIRA 13:2)**

- 1. Rostovskiy gosudarstvennyy universitet.
(Rostov-On-Don--Botanical societies)**